

FIG. 1

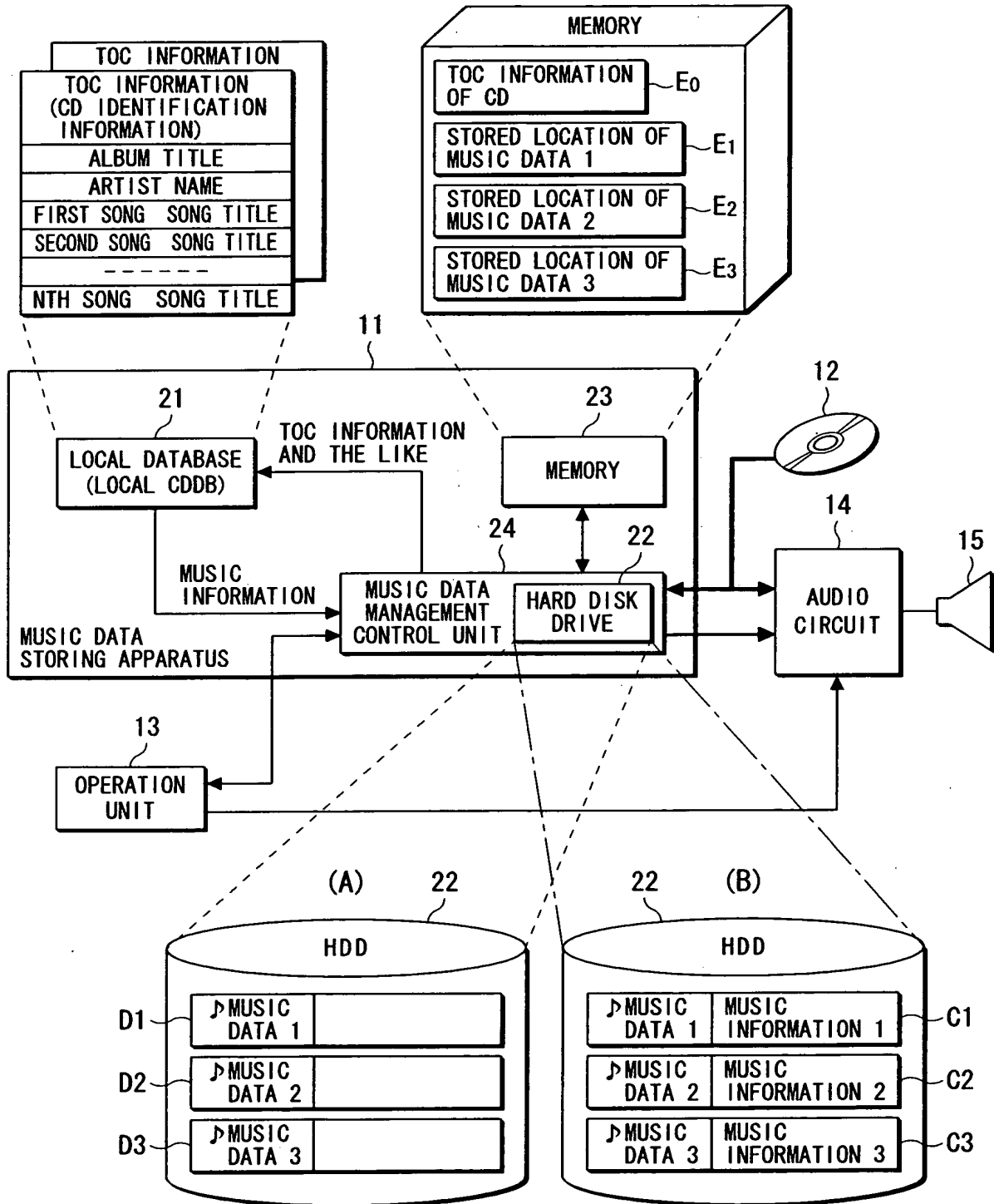


FIG. 2

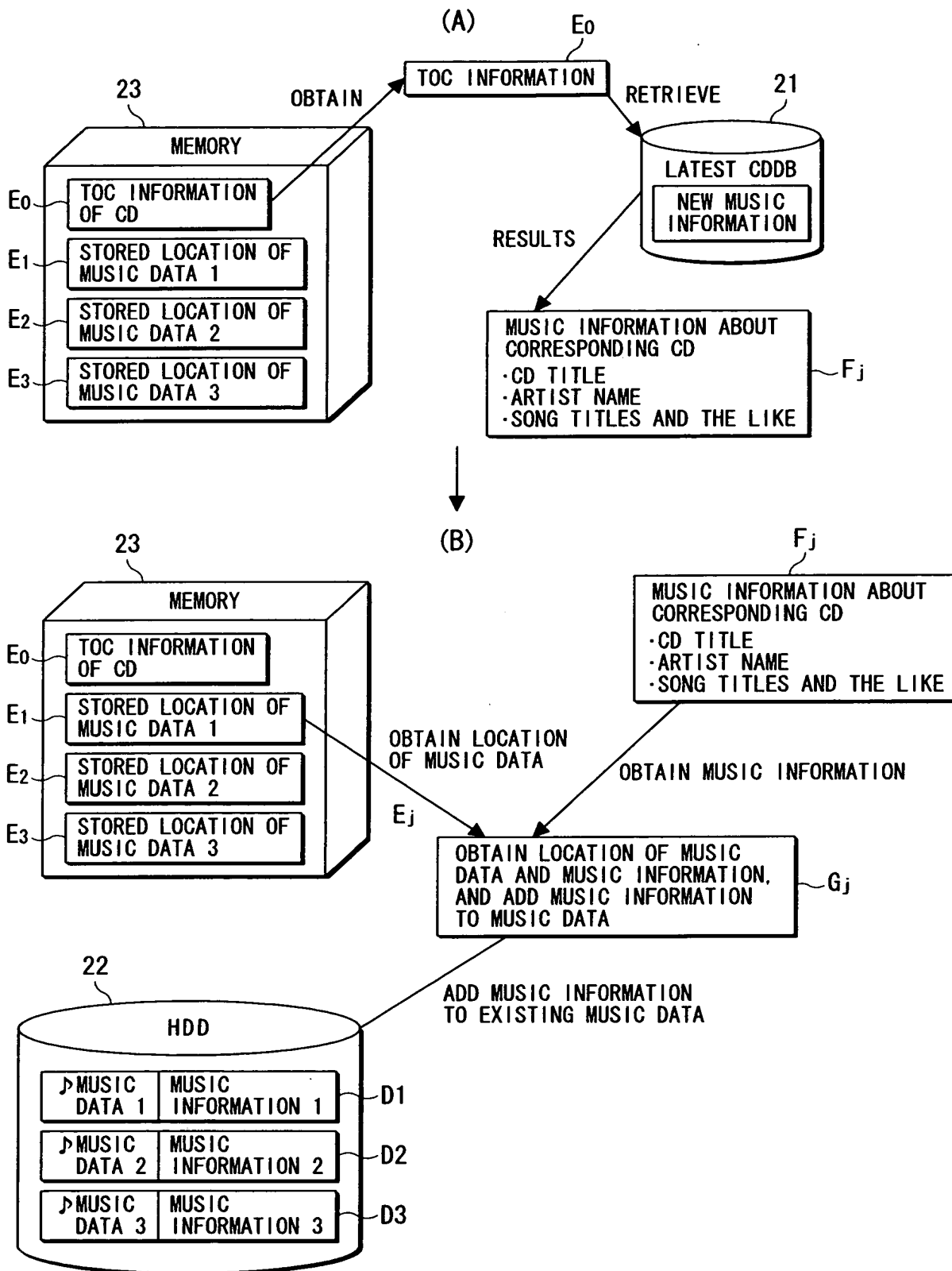


FIG. 3

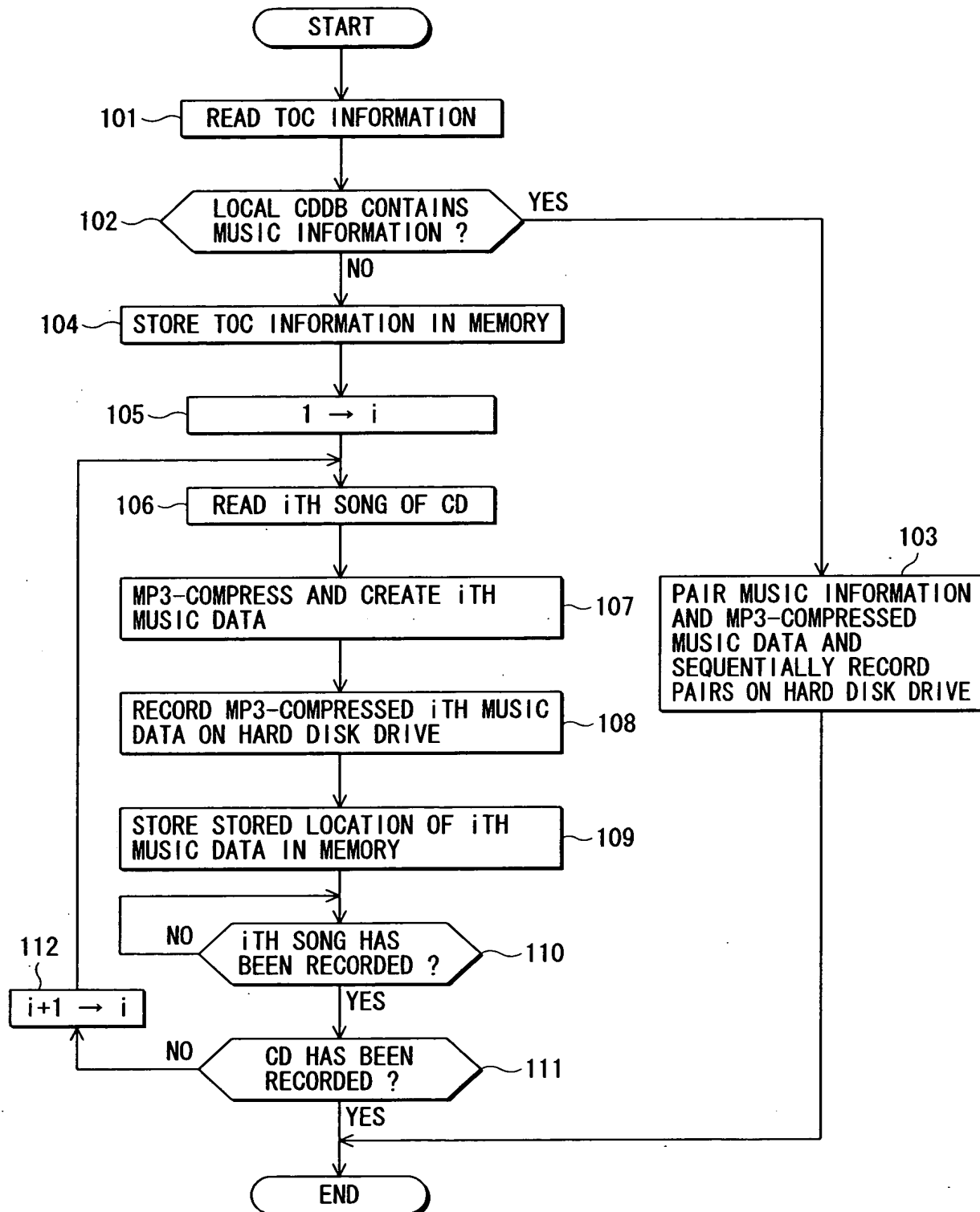
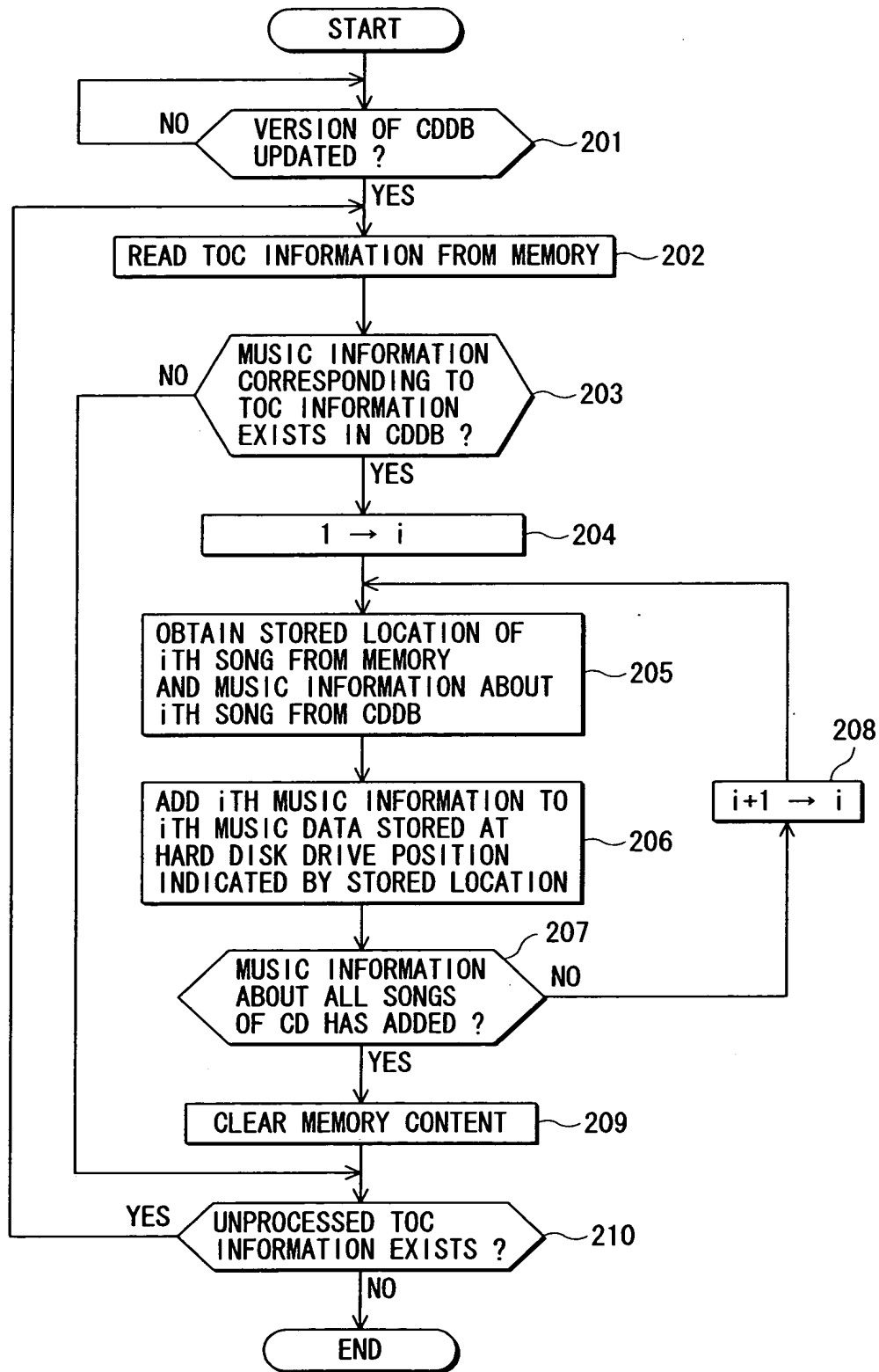


FIG. 4



The diagram illustrates a music data management system 11. It consists of several interconnected components:

- CD Drive 16** and **CD Reading Apparatus 17**: The CD drive provides TOC (Table of Contents) data to the CD reading apparatus, which then outputs Music Data to the Music Reproducing Apparatus 14.
- Music Data Management Control Unit 24**: This central unit manages the flow of data between the CD reading apparatus, the Music Information Retrieving Apparatus 32, the Music Data Encoding Apparatus 31, and the Music Data Decoding Apparatus 19.
- Music Information Retrieving Apparatus 32**: It receives TOC data from the CD reading apparatus and Music Information from the Local CDDb 21. It outputs Music Information to the Music Data Encoding Apparatus 31 and the Music Data Managing Apparatus for Re-retrieving 33.
- Music Data Encoding Apparatus 31**: It takes Music Data from the CD reading apparatus and outputs Encoded Music Data to the Music Data Decoding Apparatus 19.
- Music Data Decoding Apparatus 19**: It receives Encoded Music Data from the Music Data Encoding Apparatus 31 and outputs Music Data to the Music Reproducing Apparatus 14.
- Music Reproducing Apparatus 14** and **Speaker 15**: The music reproducing apparatus outputs Music Data to the speaker for playback.
- Local CDDb 21** and **Substituting Music Information Creating Apparatus 18**: The local CDDb provides Music Information to the Music Information Retrieving Apparatus 32. The substituting music information creating apparatus provides Substituting Music Information to the Music Information Retrieving Apparatus 32.
- Music Data Managing Apparatus for Re-retrieving 33**: It receives Music Information from the Music Information Retrieving Apparatus 32 and outputs Music Information to the Encoded Music Data Managing Apparatus 34.
- Encoded Music Data Managing Apparatus 34**: It receives Music Information from the Music Data Managing Apparatus for Re-retrieving 33 and outputs Encoded Music Data to the Music Data Decoding Apparatus 19.
- Memory 23** and **HDD 22**: These storage units are connected to the Music Data Managing Apparatus for Re-retrieving 33 and the Encoded Music Data Managing Apparatus 34, respectively.
- Music Information List 13**, **Music Information Display Apparatus 13b**, and **Operation Key Unit 13a**: These components are part of the user interface, allowing users to interact with the system and view music information.

FIG. 6

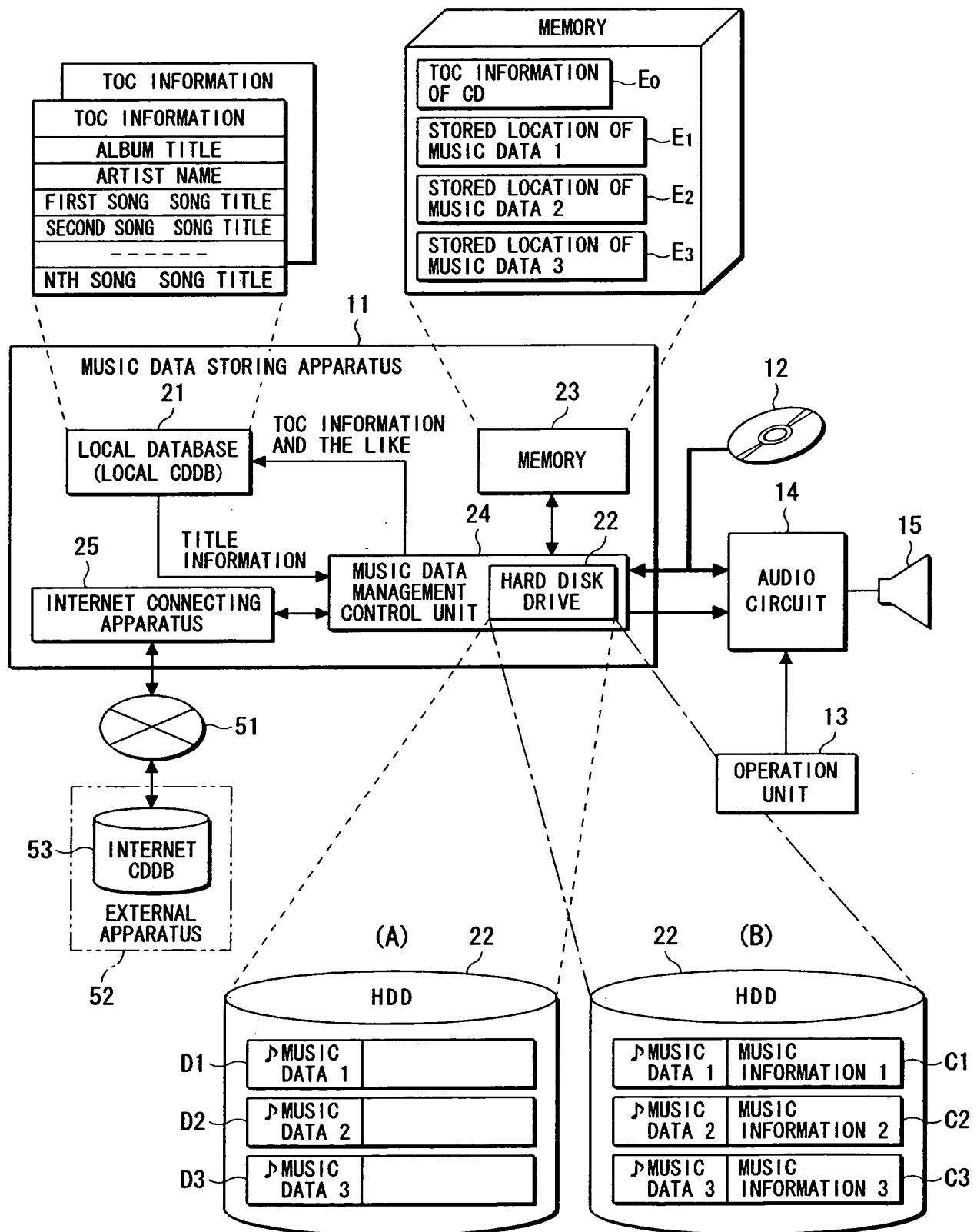


FIG. 7

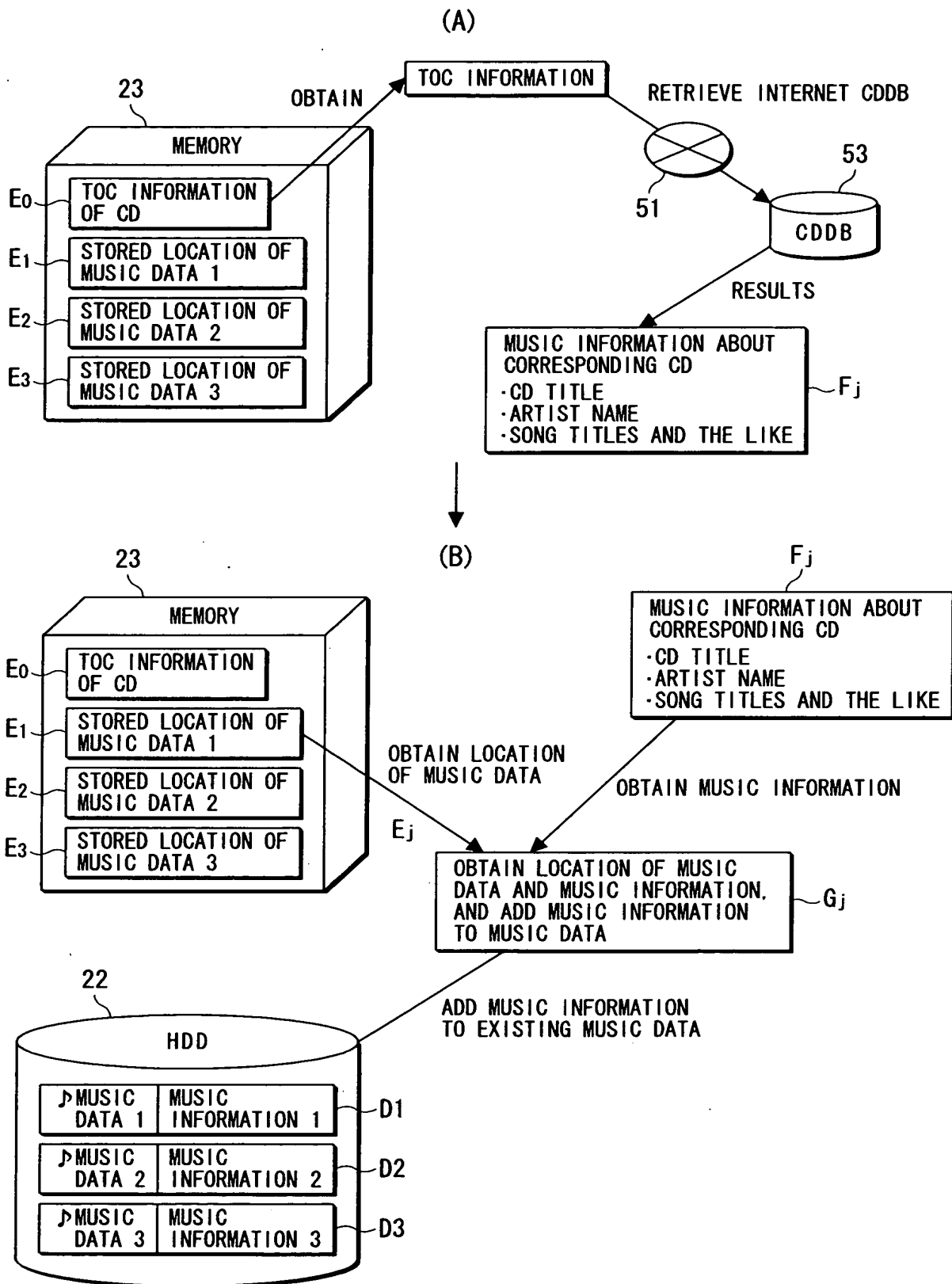


FIG. 8

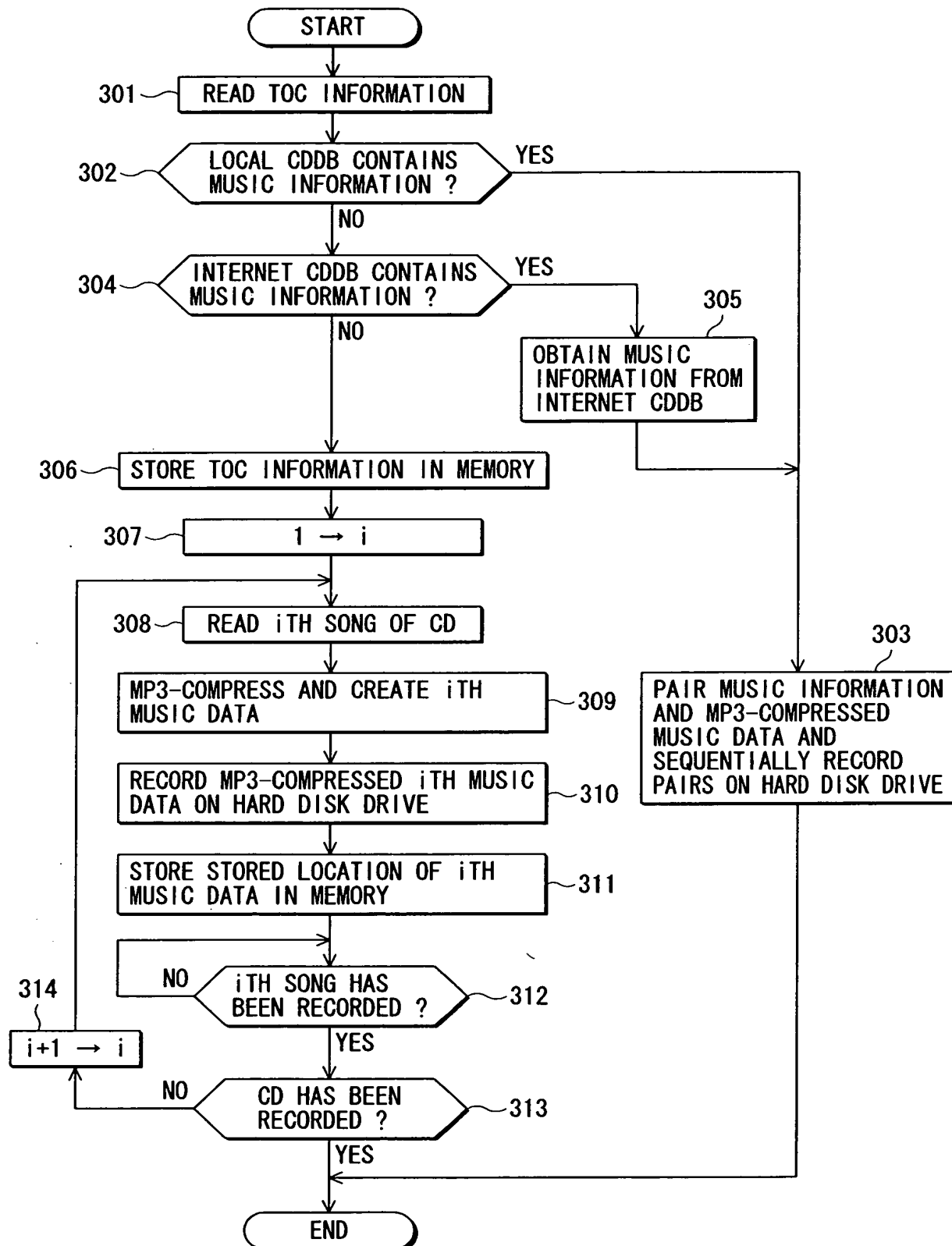
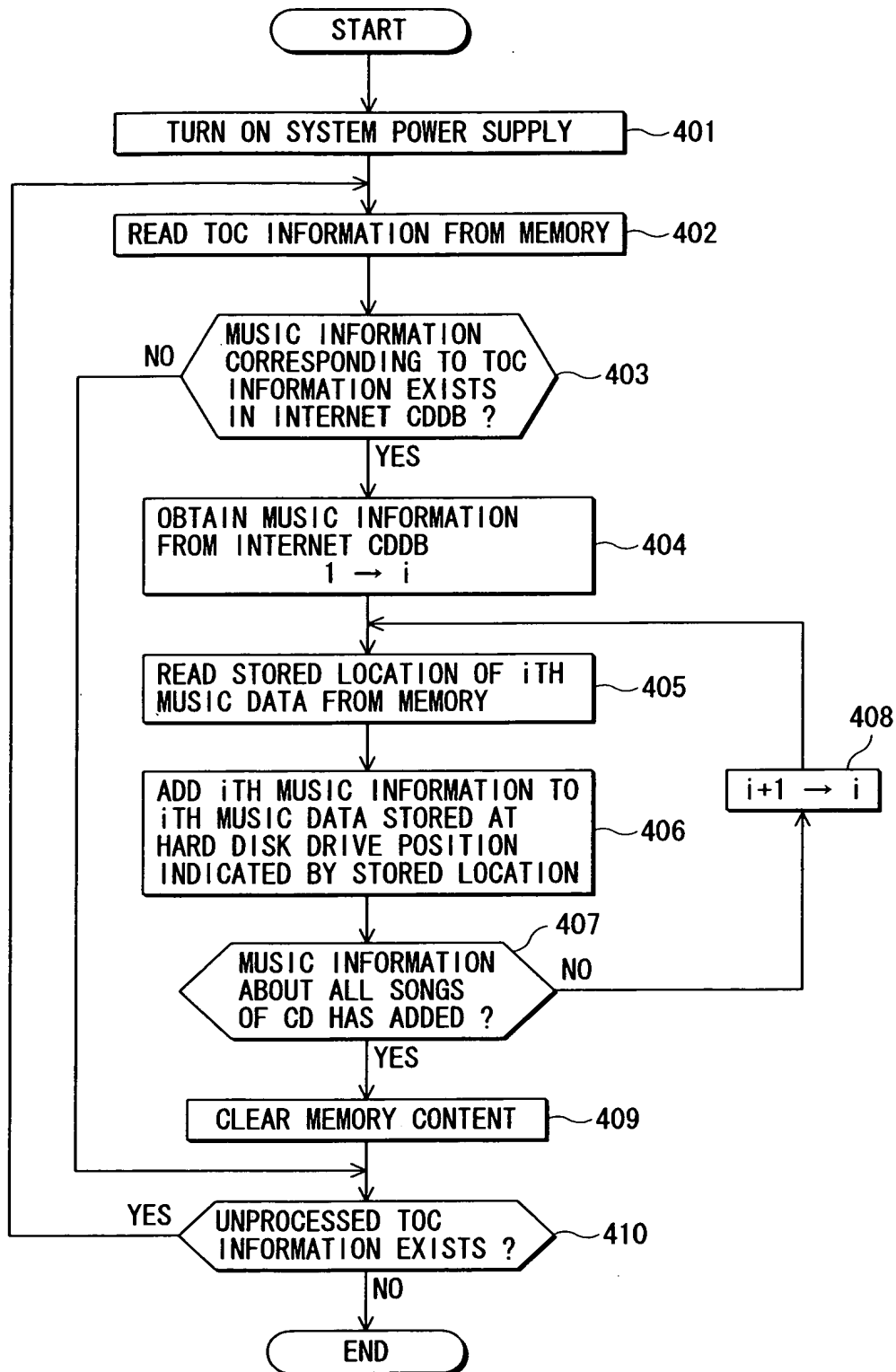


FIG. 9



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[illegible]

FIG. 11

